

WHAT IS CLAIMED IS:

1. An infusion pump for expelling fluid from a fluid bag having an outlet, comprising:

a generally rectangular base having a non-planar bag-engaging inner surface for supporting said fluid bag, said base having a slot around at least a portion of a periphery thereof;

a generally rectangular cover cooperating with said base to define a space in which said bag may be positioned, said cover having a rim extending about at least a portion thereof for mating engagement with said slot of said base, whereby said cover may be selectively connected to said base;

a generally rectangular platen movably connected to said cover and moveable from a first distance above said inner surface of said base to a second distance nearer said inner surface of said base than said first distance, said platen having a bag engaging surface which is non-planar and complementary to said bag-engaging inner surface of said base, said platen connected to said cover with a linkage, a first shaft having a first end and a second end and a second shaft having a first end and a second end, a pair of slides movably mounted along said first and second shafts, and a spring mounted between each end of said ends of said springs and said slides, said linkage comprising a parallelogram linkage formed by four arms, said arms rotatably connected to said slides and rotatably connected to said platen and said cover; and

a rod engaging said platen and extending through said cover for engagement with a handle, whereby rotation of said handle causes said platen to move upwardly towards said cover compressing said springs.

2. The infusion pump in accordance with Claim 1, wherein said four arms comprise a first linkage positioned on a first side of said slides and further including four arms comprising a second linkage positioned on a second side of said slides.

3. The infusion pump in accordance with Claim 1, wherein a first and second of said arms are mounted to a first pin engaging said cover and a third and fourth of said arms are mounted to a second pin engaging said platen.

4. The infusion pump in accordance with Claim 1, wherein said pins are rotatably received in pin receivers connected to said cover and platen, respectively.

5. The infusion pump in accordance with Claim 1, wherein said rod has a head and a shaft, said head engaging said platen and said shaft threaded along at least a portion thereof.

6. The infusion pump in accordance with Claim 1, wherein said rod has a first end engaging said platen and a second end extending through an opening in said cover.

7. An infusion pump for expelling fluid from a fluid bag having an outlet, comprising:

a generally rectangular base having a non-planar bag-engaging inner surface for supporting said fluid bag, said base having a slot around at least a portion of a periphery thereof;

a generally rectangular cover cooperating with said base to define a space in which said bag may be positioned, said cover having a rim extending about at least a portion thereof for mating engagement with said slot of said base, whereby said cover may be selectively connected to said base;

a generally rectangular platen movably connected to said cover and moveable from a first distance above said inner surface of said base to a second distance nearer said inner surface of said base than said first distance, said platen having a bag engaging surface which is non-planar and complementary to said bag-engaging inner surface of said base, said platen connected to said cover with a first and a second linkage, a first shaft having a first end and a second end and a second shaft having a first end and a second end, a first slide and a second slide movably mounted along said first and second shafts, and a spring mounted between each end of said ends of said springs and said slides, each linkage comprising a parallelogram linkage formed by four arms, a first arm rotatably connected to said first slide and rotatably connected to said platen, a second arm rotatably connected to said second slide and rotatably connected to said platen, a third of said arms rotatably connected to said first slide and said cover, and a fourth arm rotatably connected to said second slide and rotatably

connected to said cover, said arms of said first and second linkages positioned on opposite sides of said slides; and

a rod engaging said platen and extending through said cover for engagement with a handle, whereby rotation of said handle causes said platen to move upwardly towards said cover compressing said springs.

8. The infusion pump in accordance with Claim 7, wherein said rod has a head and a shaft, said head engaging said platen and said shaft threaded along at least a portion thereof.

9. The infusion pump in accordance with Claim 7, wherein said rod has a first end engaging said platen and a second end extending through an opening in said cover.